

Writing Chemical Equations.

1. Write the chemical equation for a reaction.
2. Identify the parts (compounds or elements as solid, liquid or gas)
3. Write out the names or symbols for each compound or element.

Reactants

Products



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1. Sodium and Chlorine combine to form Sodium chloride.

a) sodium + chlorine  $\rightarrow$  sodium chloride.

b) solid gas solid



2. Potassium and Oxygen create Potassium oxide.

a) Potassium + oxygen  $\rightarrow$  potassium oxide

b) solid gas gas



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a) hydrogen + oxygen  $\rightarrow$  hydrogen dioxide.

b) gas gas liquid

c) when hydrogen and oxygen combine they create water.

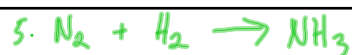
4. Hydrogen and chlorine mix and produce hydrogen chloride gas

a) hydrogen + chlorine  $\rightarrow$  hydrogen chloride

b) gas gas gas



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a) nitrogen + hydrogen  $\rightarrow$  nitrogen trihydride.

b) gas gas gas

c) Nitrogen and hydrogen mix together to form nitrogen trihydride gas

6. Carbon dioxide and oxygen will create carbon dioxide.

a) carbon oxide + oxygen  $\rightarrow$  carbon dioxide

b) gas gas gas



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